

Haitao Li

List of Publications by Year in descending order

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150
papers

3,875
citations

136950

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149698

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all docs

150
docs citations

150
times ranked

949
citing authors

#	ARTICLE	IF	CITATIONS
1	Total-Activity Conservation Analysis and Design of Boolean Networks. IEEE Transactions on Cybernetics, 2023, 53, 5667-5676.	9.5	0
2	Stability Analysis of Probabilistic Boolean Networks With Switching Discrete Probability Distribution. IEEE Transactions on Automatic Control, 2023, 68, 2506-2512.	5.7	6
3	Stability analysis of multi-valued logical networks with Markov jump disturbances. International Journal of Control, 2022, 95, 554-561.	1.9	8
4	Extensions of Razumikhin-type stability theorems for nonlinear time-delay systems on time scales. International Journal of Control, 2022, 95, 259-268.	1.9	5
5	Robust stability of switched delayed logical networks with all unstable modes. Journal of the Franklin Institute, 2022, 359, 12-26.	3.4	6
6	Optimal Strategy Estimation of Random Evolutionary Boolean Games. IEEE Transactions on Cybernetics, 2022, 52, 7899-7905.	9.5	8
7	Output Trackability of Boolean Control Networks via Ledley Antecedence Solution. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1183-1187.	3.0	3
8	Matrix approach to detectability of partially observed discrete event systems. Asian Journal of Control, 2022, 24, 1470-1478.	3.0	5
9	Off-line fault detection of logical control networks. International Journal of Systems Science, 2022, 53, 478-487.	5.5	7
10	Fast-time complete controllability of nonlinear fractional delay integrodifferential evolution equations with nonlocal conditions and a parameter. Mathematical Methods in the Applied Sciences, 2022, 45, 5649-5669.	2.3	4
11	Robust Set Controllability of Logical Control Networks: A Set Monotonicity Approach. IEEE Transactions on Control of Network Systems, 2022, 9, 1261-1270.	3.7	2
12	On state feedback asymptotical stabilization of probabilistic Boolean control networks. Systems and Control Letters, 2022, 160, 105107.	2.3	6
13	Matrix approach to verification of finite multi-potential games. Journal of the Franklin Institute, 2022, 359, 2229-2243.	3.4	4
14	Consensus of Singular Linear Multiagent Systems Via Hybrid Control. IEEE Transactions on Control of Network Systems, 2022, 9, 647-656.	3.7	6
15	Set controllability of Markov jump switching Boolean control networks and its applications. Nonlinear Analysis: Hybrid Systems, 2022, 45, 101179.	3.5	9
16	Finite-time sampled-data set stabilisation of delayed probabilistic Boolean control networks. International Journal of Systems Science, 2022, 53, 2935-2947.	5.5	4
17	Leader-follower consensus for multi-agent systems with external disturbances generated by heterogeneous nonlinear exosystems. Asian Journal of Control, 2021, 23, 2681-2692.	3.0	12
18	Graph-Based Function Perturbation Analysis for Observability of Multivalued Logical Networks. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4839-4848.	11.3	12

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19	Perturbation Analysis for Finite-Time Stability and Stabilization of Probabilistic Boolean Networks. IEEE Transactions on Cybernetics, 2021, 51, 4623-4633.	9.5	22
20	Robustness for Stability and Stabilization of Boolean Networks With Stochastic Function Perturbations. IEEE Transactions on Automatic Control, 2021, 66, 1231-1237.	5.7	64
21	State-feedback set stabilization of logical control networks with state-dependent delay. Science China Information Sciences, 2021, 64, 1.	4.3	14
22	Optimal control of random evolutionary Boolean games. International Journal of Control, 2021, 94, 144-152.	1.9	18
23	Leader-following consensus for multi-agent systems with actuator faults via adaptive event-triggered control. Journal of the Franklin Institute, 2021, 358, 1327-1349.	3.4	30
24	Simplification of Shapley value for cooperative games via minimum carrier. Control Theory and Technology, 2021, 19, 157-169.	1.6	4
25	New Results on the Disturbance Decoupling of Boolean Control Networks. , 2021, 5, 1157-1162.		13
26	Detectability of Delayed Boolean Control Networks Based on Full-Order Observer. IEEE Access, 2021, 9, 119591-119597.	4.2	2
27	State Feedback Stabilization of Large-Scale Logical Control Networks via Network Aggregation. IEEE Transactions on Automatic Control, 2021, 66, 6033-6040.	5.7	23
28	Logical matrix factorization towards topological structure and stability of probabilistic Boolean networks. Systems and Control Letters, 2021, 149, 104878.	2.3	12
29	Time-variant Feedback Stabilization of Constrained Delayed Boolean Networks Under Nonuniform Sampled-data Control. International Journal of Control, Automation and Systems, 2021, 19, 1819-1827.	2.7	12
30	Resolution of Fuzzy Relational Inequalities with Boolean Semi-Tensor Product Composition. Mathematics, 2021, 9, 937.	2.2	4
31	Stabilization of Delayed Boolean Control Networks With State Constraints: A Barrier Lyapunov Function Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2553-2557.	3.0	10
32	Controllability and stabilization of periodic switched Boolean control networks with application to asynchronous updating. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101054.	3.5	10
33	Prescribed Finite-Time H_∞ Control for Nonlinear Descriptor Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2917-2921.	3.0	13
34	Constrained set controllability of logical control networks with state constraints and its applications. Applied Mathematics and Computation, 2021, 405, 126259.	2.2	9
35	A Hybrid Control Approach to H_∞ Problem of Nonlinear Descriptor Systems With Actuator Saturation. IEEE Transactions on Automatic Control, 2021, 66, 4960-4966.	5.7	24
36	Containment problem of finite-field networks with fixed and switching topology. Applied Mathematics and Computation, 2021, 411, 126519.	2.2	12

#	ARTICLE	IF	CITATIONS
37	Relations of Controllability and Observability between Continuous-Time Linear System and Its Projective System. , 2021, , .		3
38	Event-triggered Control for Sampled-Data Set Stabilization of Switched Delayed Logical Control Networks. , 2021, , .		0
39	Impulsive Sequence Design for Finite-Time Set Stabilization of Impulsive Probabilistic Boolean Networks. , 2021, , .		0
40	Estimation of stability region for discrete-time linear positive switched systems with multiple equilibrium points. Asian Journal of Control, 2020, 22, 1306-1316.	3.0	3
41	Multiple Lyapunov Functions for Adaptive Neural Tracking Control of Switched Nonlinear Nonlower-Triangular Systems. IEEE Transactions on Cybernetics, 2020, 50, 1877-1886.	9.5	131
42	Regulation of game result for n -person random evolutionary Boolean games. Asian Journal of Control, 2020, 22, 2353-2362.	3.0	6
43	Event-triggered control for disturbance decoupling problem of mix-valued logical networks. Journal of the Franklin Institute, 2020, 357, 796-809.	3.4	26
44	Robustness analysis of logical networks and its application in infinite systems. Journal of the Franklin Institute, 2020, 357, 2882-2891.	3.4	7
45	Set stability of switched delayed logical networks with application to finite-field consensus. Automatica, 2020, 113, 108768.	5.0	58
46	Function perturbation impact on asymptotical stability of probabilistic Boolean networks: Changing to finite-time stability. Journal of the Franklin Institute, 2020, 357, 10810-10827.	3.4	16
47	Optimal state estimation for finite-field networks with stochastic disturbances. Neurocomputing, 2020, 414, 238-244.	5.9	17
48	Event-triggered leader-following consensus for multi-agent systems with external disturbances under fixed and switching topologies. IET Control Theory and Applications, 2020, 14, 1486-1496.	2.1	24
49	Input-to-state stability theorem and strict Lyapunov functional constructions for time-delay systems on time scales. Journal of Control and Decision, 2020, , 1-16.	1.6	0
50	Stability analysis of positive switched impulsive systems with delay on time scales. International Journal of Robust and Nonlinear Control, 2020, 30, 6879-6890.	3.7	28
51	Further Results on Large-Scale Complex Logical Networks. IEEE Access, 2020, 8, 215806-215816.	4.2	3
52	Perturbation Analysis for Controllability of Logical Control Networks. SIAM Journal on Control and Optimization, 2020, 58, 3632-3657.	2.1	55
53	On reducible state variables of logical control networks. Systems and Control Letters, 2020, 145, 104798.	2.3	8
54	Function perturbation impact on stability in distribution of probabilistic Boolean networks. Mathematics and Computers in Simulation, 2020, 177, 1-12.	4.4	24

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55	On feedback invariant subspace of Boolean control networks. Science China Information Sciences, 2020, 63, 1.	4.3	8
56	On detectability of Boolean control networks. Nonlinear Analysis: Hybrid Systems, 2020, 36, 100859.	3.5	44
57	Stability analysis of activation-inhibition Boolean networks with stochastic function structures. Mathematical Methods in the Applied Sciences, 2020, 43, 8694-8705.	2.3	14
58	An Improved Stability Theorem for Nonlinear Systems on Time Scales With Application to Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3277-3281.	3.0	27
59	Finite-Time Time-Variant Feedback Stabilization of Logical Control Networks With Markov Jump Disturbances. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 2079-2083.	3.0	9
60	Finite-Time Controllability and Set Controllability of Impulsive Probabilistic Boolean Control Networks. IEEE Access, 2020, 8, 111995-112002.	4.2	5
61	Distributed Pinning Impulsive Control for Inner-Outer Synchronization of Dynamical Networks on Time Scales. Neural Processing Letters, 2020, 51, 2481-2495.	3.2	3
62	Finite-Time Consensus of Finite Field Networks With Stochastic Time Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3128-3132.	3.0	16
63	Structural controllability of Boolean control networks with an unknown function structure. Science China Information Sciences, 2020, 63, 1.	4.3	12
64	New developments in control design techniques of logical control networks. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 220-233.	2.6	14
65	Input-output dynamical stability analysis for cyber-physical systems via logical networks. IET Control Theory and Applications, 2020, 14, 2566-2572.	2.1	11
66	SURVEY ON APPLICATIONS OF SEMI-TENSOR PRODUCT METHOD IN NETWORKED EVOLUTIONARY GAMES. Journal of Applied Analysis and Computation, 2020, 10, 32-54.	0.5	15
67	Logic-based Solvability of Max-plus Linear Equations. , 2020, , .		0
68	Sampled-Data Stabilization of State-Dependent Delayed Boolean Networks with State Constraints. , 2020, , .		0
69	Impulsive control design for output tracking of probabilistic Boolean control networks. IET Control Theory and Applications, 2020, 14, 2688-2695.	2.1	5
70	Two Methods of Dealing with Large-Scale Logical Networks. , 2020, , .		0
71	Asymptotic consensus and asymptotic group consensus of Boolean networks with additive noise. , 2020, , .		2
72	Finite-time inner-outer synchronization of two dynamical networks via distributed pinning impulsive control. , 2020, , .		0

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73	Leader-Follower Consensus of Multiagent Systems With Time Delays Over Finite Fields. IEEE Transactions on Cybernetics, 2019, 49, 3203-3208.	9.5	80
74	Constrained Sampled-Data Reachability and Stabilization of Logical Control Networks. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 2002-2006.	3.0	20
75	Semitenor Product Approach to Controllability, Reachability, and Stabilizability of Probabilistic Finite Automata. Mathematical Problems in Engineering, 2019, 2019, 1-7.	1.1	4
76	A Control Lyapunov Function Approach to Feedback Stabilization of Logical Control Networks. SIAM Journal on Control and Optimization, 2019, 57, 810-831.	2.1	92
77	Structural stability analysis of gene regulatory networks modeled by Boolean networks. Mathematical Methods in the Applied Sciences, 2019, 42, 2221-2230.	2.3	21
78	Column stacking approach to resolution of systems of fuzzy relational inequalities. Journal of the Franklin Institute, 2019, 356, 3314-3332.	3.4	12
79	Function Perturbation Impact on Feedback Stabilization of Boolean Control Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2548-2554.	11.3	24
80	Controllability of Multi-Agent Systems over Finite Fields via Semi-Tensor Product Method. , 2019, , .		3
81	Stability Analysis of Boolean Networks With Stochastic Function Perturbations. IEEE Access, 2019, 7, 1323-1329.	4.2	12
82	Algebraic formulation and topological structure of Boolean networks with state-dependent delay. Journal of Computational and Applied Mathematics, 2019, 350, 87-97.	2.0	44
83	Finite-time stability analysis of stochastic switched boolean networks with impulsive effect. Applied Mathematics and Computation, 2019, 347, 557-565.	2.2	91
84	A survey on applications of semi-tensor product method in engineering. Science China Information Sciences, 2018, 61, 1.	4.3	86
85	Output tracking control of Boolean control networks with impulsive effects. Mathematical Methods in the Applied Sciences, 2018, 41, 1554-1564.	2.3	50
86	Synchronization of switched logical control networks via event-triggered control. Journal of the Franklin Institute, 2018, 355, 5203-5216.	3.4	31
87	A matrix approach to the modeling and analysis of networked evolutionary games with time delays. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 818-826.	13.1	49
88	Modelling and strategy optimisation for a kind of networked evolutionary games with memories under the bankruptcy mechanism. International Journal of Control, 2018, 91, 1104-1117.	1.9	29
89	Control design for output tracking of delayed Boolean control networks. Journal of Computational and Applied Mathematics, 2018, 327, 188-195.	2.0	54
90	Algebraic Formulation and Nash Equilibrium of Competitive Diffusion Games. Dynamic Games and Applications, 2018, 8, 423-433.	1.9	24

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91	Model and Control for a Class of Networked Evolutionary Games with Finite Memories and Time-Varying Networks. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 3093-3114.	2.0	9
92	Tensor Product Decomposition of Large-Size Logical Matrix. , 2018, , .		1
93	Robust Synchronization and Partial Stabilization of Logical Control Networks via Event- Triggered Control. , 2018, , .		1
94	Synchronization of switched Boolean networks with impulsive effects. <i>International Journal of Biomathematics</i> , 2018, 11, 1850080.	2.9	17
95	Set stability and synchronization of logical networks with probabilistic time delays. <i>Journal of the Franklin Institute</i> , 2018, 355, 7735-7748.	3.4	27
96	Event-triggered control for robust set stabilization of logical control networks. <i>Automatica</i> , 2018, 95, 556-560.	5.0	90
97	Controllability, Reachability, and Stabilizability of Finite Automata: A Controllability Matrix Method. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-6.	1.1	4
98	Robust Consensus of Networked Evolutionary Games with Attackers and Forbidden Profiles $\hat{\epsilon}$. <i>Entropy</i> , 2018, 20, 15.	2.2	8
99	Modelling and strategy consensus for a class of networked evolutionary games. <i>International Journal of Systems Science</i> , 2018, 49, 2548-2557.	5.5	22
100	Semi-tensor product approach to minimal-agent consensus control of networked evolutionary games. <i>IET Control Theory and Applications</i> , 2018, 12, 2269-2275.	2.1	23
101	Robust set stabilization of Boolean control networks with impulsive effects. <i>Nonlinear Analysis: Modelling and Control</i> , 2018, 23, 553-567.	1.6	30
102	Bifurcation of positive solutions for a three-point boundary-value problem of nonlinear fractional differential equations. <i>Journal of Applied Mathematics and Computing</i> , 2017, 54, 81-93.	2.5	1
103	Pinning control design for robust output tracking of k -valued logical networks. <i>Journal of the Franklin Institute</i> , 2017, 354, 3039-3053.	3.4	33
104	Stochastic stability and stabilization of n -person random evolutionary Boolean games. <i>Applied Mathematics and Computation</i> , 2017, 306, 1-12.	2.2	41
105	Output reachability analysis and output regulation control design of Boolean control networks. <i>Science China Information Sciences</i> , 2017, 60, 1.	4.3	29
106	Global convergence of serial Boolean networks based on algebraic representation. <i>Journal of Difference Equations and Applications</i> , 2017, 23, 633-647.	1.1	8
107	Robust stability and stabilisation of Boolean networks with disturbance inputs. <i>International Journal of Systems Science</i> , 2017, 48, 750-756.	5.5	29
108	Stochastic set stabilisation of n -person random evolutionary Boolean games and its applications. <i>IET Control Theory and Applications</i> , 2017, 11, 2152-2160.	2.1	22

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109	Stabilization and set stabilization of delayed Boolean control networks based on trajectory stabilization. <i>Journal of the Franklin Institute</i> , 2017, 354, 7812-7827.	3.4	46
110	Leader-follower consensus of multi-agent systems over finite fields via semi-tensor product of matrices. , 2017, , .		1
111	Lyapunov-Based Stability and Construction of Lyapunov Functions for Boolean Networks. <i>SIAM Journal on Control and Optimization</i> , 2017, 55, 3437-3457.	2.1	96
112	Further results on feedback stabilization control design of Boolean control networks. <i>Automatica</i> , 2017, 83, 303-308.	5.0	82
113	Output Regulation of Boolean Control Networks. <i>IEEE Transactions on Automatic Control</i> , 2017, 62, 2993-2998.	5.7	102
114	Strategy consensus for a class of cascading finite networked evolutionary games. , 2017, , .		0
115	Stability and stabilization of switched boolean networks with impulsive effects. , 2017, , .		0
116	Attractor and stability of delayed boolean networks with state constraints. , 2017, , .		0
117	Survey on semi-tensor product method with its applications in logical networks and other finite-valued systems. <i>IET Control Theory and Applications</i> , 2017, 11, 2040-2047.	2.1	191
118	Pinning control design for feedback stabilization of constrained Boolean control networks. <i>Advances in Difference Equations</i> , 2016, 2016, .	3.5	12
119	Minimum-Time State Feedback Stabilization of Constrained Boolean Control Networks. <i>Asian Journal of Control</i> , 2016, 18, 1688-1697.	3.0	26
120	Feedback stabilisation control design for fractional order non-linear systems in the lower triangular form. <i>IET Control Theory and Applications</i> , 2016, 10, 1061-1068.	2.1	22
121	Invertibility of higher order k-valued logical control networks and its application in trajectory control. <i>Journal of the Franklin Institute</i> , 2016, 353, 4667-4679.	3.4	15
122	Stable degree analysis for strategy profiles of evolutionary networked games. <i>Science China Information Sciences</i> , 2016, 59, 1.	4.3	9
123	Output tracking of switched Boolean networks under open-loop/closed-loop switching signals. <i>Nonlinear Analysis: Hybrid Systems</i> , 2016, 22, 137-146.	3.5	37
124	A matrix approach to modeling and optimization for dynamic games with random entrance. <i>Applied Mathematics and Computation</i> , 2016, 290, 9-20.	2.2	14
125	On robust control invariance of Boolean control networks. <i>Automatica</i> , 2016, 68, 392-396.	5.0	98
126	State feedback based output tracking control of probabilistic Boolean networks. <i>Information Sciences</i> , 2016, 349-350, 1-11.	6.9	38

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127	Controllability of Context-sensitive Probabilistic Mix-valued Logical Control Networks with Constraints. <i>Asian Journal of Control</i> , 2015, 17, 246-254.	3.0	21
128	Modeling and analysis of epidemic dynamics on an adaptive network. , 2015, , .		1
129	Output tracking control of Boolean control networks via state feedback: Constant reference signal case. <i>Automatica</i> , 2015, 59, 54-59.	5.0	139
130	Controllability Analysis and Control Design for Switched Boolean Networks with State and Input Constraints. <i>SIAM Journal on Control and Optimization</i> , 2015, 53, 2955-2979.	2.1	101
131	Solvability of a Class of Higher-Order Fractional Two-Point Boundary Value Problem. <i>Chinese Journal of Mathematics</i> , 2014, 2014, 1-5.	0.1	0
132	New approach to derivative calculation of multi-valued logical functions with application to fault detection of digital circuits. <i>IET Control Theory and Applications</i> , 2014, 8, 554-560.	2.1	31
133	Consensus of finite-field networks with switching topologies and linear protocols. , 2014, , .		10
134	On the stable degree of strategy profile in finite evolutionary networked games. , 2014, , .		0
135	Two kinds of optimal controls for probabilistic mix-valued logical dynamic networks. <i>Science China Information Sciences</i> , 2014, 57, 1-10.	4.3	13
136	Stability Analysis for Switched Boolean Networks Under Arbitrary Switching Signals. <i>IEEE Transactions on Automatic Control</i> , 2014, 59, 1978-1982.	5.7	115
137	Disturbance decoupling control design for switched Boolean control networks. <i>Systems and Control Letters</i> , 2014, 72, 1-6.	2.3	61
138	On the observability of free Boolean networks via the semi-tensor product method. <i>Journal of Systems Science and Complexity</i> , 2014, 27, 666-678.	2.8	5
139	Consistent stabilizability of switched Boolean networks. <i>Neural Networks</i> , 2013, 46, 183-189.	5.9	60
140	Output feedback stabilization control design for Boolean control networks. <i>Automatica</i> , 2013, 49, 3641-3645.	5.0	114
141	Algebraic formulation and strategy optimization for a class of evolutionary networked games via semi-tensor product method. <i>Automatica</i> , 2013, 49, 3384-3389.	5.0	123
142	A Matrix Approach to Latticized Linear Programming With Fuzzy-Relation Inequality Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2013, 21, 781-788.	9.8	35
143	Positive Solutions to a Fractional-Order Two-Point Boundary Value Problem with p-Laplacian Operator. <i>ISRN Mathematical Analysis</i> , 2013, 2013, 1-12.	0.4	0
144	On the Uniqueness and Dependence of Positive Periodic Solutions for Delay Differential Systems with Feedback Control. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2012, 2012, 1-10.	0.7	0

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145	On definition and construction of Lyapunov functions for Boolean networks. , 2012, , .		9
146	Function perturbation impact on the topological structure of Boolean networks. , 2012, , .		9
147	Existence and number of fixed points of Boolean transformations via the semi-tensor product method. Applied Mathematics Letters, 2012, 25, 1142-1147.	2.7	13
148	Boolean derivative calculation with application to fault detection of combinational circuits via the semi-tensor product method. Automatica, 2012, 48, 688-693.	5.0	108
149	Global behaviour of the components of nodal solutions for Lidstone boundary value problems. Applicable Analysis, 2009, 88, 1173-1182.	1.3	0
150	Asymptotical stability and stabilisation of probabilistic Boolean networks subject to function perturbation. International Journal of Control, 0, , 1-9.	1.9	0